



## Wake County

Contaminant	Number of wells tested	Minimum	Maximum	Average	<a href="#">Maximum Contaminant Level (MCL)</a> * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
<a href="#">1,2-Dibromomethane</a>	106	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
<a href="#">1,2-Dichloropropane</a>	108	0.25	0.25	0.25	5	µg/L	0	0.00%		
<a href="#">Arsenic</a>	2,591	0.5	237	1.6	10	µg/L	16	0.62%		
<a href="#">Barium</a>	1,586	50	50	50	2,000	µg/L	0	0.00%		
<a href="#">Benzene</a>	112	0.25	0.25	0.25	5	µg/L	0	0.00%		
<a href="#">Cadmium</a>	1,593	0.5	51	1.6	5	µg/L	3	0.19%		
<a href="#">Chromium</a>	1,592	0.5	244	5.4	100	µg/L	2	0.13%		
<a href="#">cis-1,2-Dichloroethene (c-DCE)</a>	297	0.25	0.25	0.25	70	µg/L	0	0.00%		
<a href="#">Copper</a>	2,576	25	94,060.00	184.90	1,300*	µg/L	49	1.90%		
<a href="#">Ethylbenzene</a>	112	0.25	0.25	0.25	700	µg/L	0	0.00%		
<a href="#">Fluoride</a>	10,590	100	12,570.00	291.40	4,000*	µg/L	12	0.11%		
<a href="#">Iron</a>	2,560	25	197,000.00	743.30	300*	µg/L	612	23.91%		
<a href="#">Isopropyl Ether</a>	108	0.25	0.5	0.25	No drinking water standard	µg/L				
<a href="#">Lead</a>	3,188	0.5	2,211.00	7.80	15	µg/L	172	5.40%		
<a href="#">Magnesium</a>	2,569	6,700	79,800.00	8,709.10	No drinking water standard	µg/L				
<a href="#">Manganese</a>	2,570	15	25,710.00	87.90	50*	µg/L	583	22.68%		

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
<a href="#">Mercury</a>	2,014	0.3	931	0.70	2	µg/L	1	0.05%		
<a href="#">Methyl tertiary butyl ether (MTBE)</a>	349	0.25	15.6	0.63	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
<a href="#">Nitrate</a>	41	500	57,960.00	4,504.90	10,000	µg/L	0	0.00%		
<a href="#">Nitrite</a>	23	50	50	50	1,000	µg/L	0	0.00%		
<a href="#">pH</a>	2,578	2.1	10.5	7.0	6.5-8.5*	standard units	21	0.81%	553	21.45%
<a href="#">Selenium</a>	1,595	2.5	250	2.8	50	µg/L	3	0.19%		
<a href="#">Silver</a>	1,584	25	25	25	100*	µg/L	0	0.00%		
<a href="#">Sodium</a>	289	1,000	410,000.00	11,129.80	No drinking water standard	µg/L				
<a href="#">Tetrachloroethylene (PCE)</a>	267	0.25	39	0.42	5	µg/L	1	0.37%		
<a href="#">Toluene</a>	106	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
<a href="#">trans-1,2-Dichloroethene (t-DCE)</a>	297	0.25	0.25	0.25	100	µg/L	0	0.00%		
<a href="#">Trichloroethylene (TCE)</a>	297	0.25	0.25	0.25	5	µg/L	0	0.00%		
<a href="#">Vinyl chloride</a>	297	0.25	0.25	0.25	2	µg/L	0	0.00%		
<a href="#">Xylenes (Total)</a>	110	0.25	11.5	0.46	10,000	µg/L	0	0.00%		
<a href="#">Zinc</a>	2,565	15	121,960.00	492.30	5,000*	µg/L	35	1.37%		

\* **Secondary MCL:** Secondary contaminants may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.<sup>8</sup> The **Secondary Maximum Contaminant Level (SMCL)** is a non-enforceable standard for secondary contaminants in drinking water. SMCLs may be based upon a contaminant's likelihood to cause changes to the taste, odor, or color of drinking water, or, may be based on the likelihood of the contaminant to cause technical changes such as damage to water fixtures or an increased availability of other contaminants in drinking water.<sup>8</sup>

Tracking and Analyzing Contaminants (TrAC) in Private Well Water in NC

UNC Superfund Research Program- Research Translation Core

Funded by an ARRA supplement from NIEHS (P42-ES005948) 2009-2011

